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Docket No.: 123029-1057 (UHID 2003-031)

Patent

In The United States Patent And Trademark Office

In re Application of: Xiaolian Gao et al.

Serial No.: 10/553,328

Filing Date: Unassigned

Priority Date: April 14, 2003

Examiner: Unknown

Group No.: 1623

Confirmation No.: Not Assigned

For: Novel Reagent Compounds and Methods of Making and Using the Same

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Information Disclosure Statement

As listed on the accompanying forms PTO/SB/08A&B, applicant submits copies of the indicated references, which applicant believes may be material to the examination of the above-identified application, and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

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I, the person signing below hereby state that:

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Docket No.: 123029-1057 (UHID 2003-031)

Dated: 4-12-06

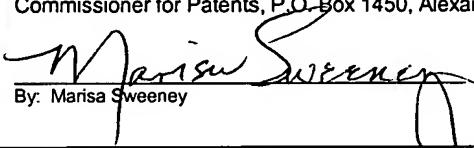
Patent


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CERTIFICATE OF MAILING

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I certify that the accompanying paper is being deposited with the United States Postal Service and sent "Via Express Mail" service under 37 CFR 1.08 on the date indicated above and is addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


By: Marisa Sweeney

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
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		Examiner Name	
		Attorney Docket Number	123029-1057 (UHID 2003-031)

NON PATENT LITERATURE DOCUMENTS			T ²
Examiner Initial*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	3.	WASSERMAN, S.R., et al. Structure and reactivity of alkylsiloxane monolayers formed by reaction of alkytrichlorosilanes on silicon substrates. <i>Langmuir</i> , 5, (1989) 1074-1087	
	4.	BALACHANDER, N. et al. Monolayer Transformation by Nucleophilic Substitution: Applications to the Creation of New Monolayer Assemblies. <i>Langmuir</i> , 6, (1990) 1621-1627	
	5.	PETRI, D.F.S., et al. An improved method for the assembly of amino-terminated monolayers on SiO ₂ and the vapor deposition of gold layers. <i>Langmuir</i> , 15, (1999) 4520-4523	
	6.	INGALL, M.D.K., et al. Surface functionalization and imaging using monolayers and surface-grafted polymer layers. <i>J. Am. Chem. Soc.</i> , 121, (1999) 3607-3613	
	7.	KATZHENDLER, J., et al. The effect of spacer, linkage and solid support on the synthesis of oligonucleotides. <i>Tetrahedron</i> , 45, (1989) 2777-2792	
	8.	TEMSAMANI, J., et al. Sequence identity of the n -1 product of a synthetic oligonucleotide. <i>Nucleic Acids Res.</i> , 23, (1995) 1841- 1844	
	9.	FEARON, K.L., et al. Investigation of the 'n -l' impurity in phosphorothioate oligodeoxynucleotides synthesized by the solid-phase ~-cyanoethyl phosphoramidite method using stepwise sulfurization. <i>Nucleic Acids Res.</i> , 23, (1995) 2754-2761	
	10.	IYER, R.P., et al. Improved procedure for the reduction of N-I content in synthetic oligonucleotides. <i>Nucl. Nucl.</i> , 14, (1995) 1349-1357	

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Sheet <u>3</u> of <u>5</u>			

11.	MASKOS, U. et al. Oligonucleotide hybridization on glass supports: a novel linker for oligonucleotide synthesis and hybridization of oligonucleotides in situ. <i>Nucleic Acids Res.</i> , 20, (1992) 1679-1684	
12.	GRAY, D.E., et al. Ellipsometric and interferometric characterization of DNA probes immobilized on a combinatorial array. <i>Langmuir</i> , 13, (1997) 2833-2842	
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15.	PIRRUNG, M.C. et al. Comparison of methods for photochemical phosphoramidite-based DNA synthesis. <i>J. Org. Chem.</i> , 60, (1995) 6270-6276	
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17.	PEASE, A.C., et al. Light-generated oligonucleotide arrays for rapid DNA sequence analysis. <i>Proc. Natl Acad. Sci. USA</i> , 91, (1994) 5022-5026	
18.	MCGALL, G.H., et al. Light-directed synthesis of high-density oligonucleotide arrays using semiconductor photoresists. <i>Proc. Natl Acad. Sci. USA</i> , 93, (1996) 13555-13560	
19.	BEIER, M. et al. Versatile derivatization of solid support media for covalent bonding on DNA-microchips. <i>Nucleic Acids Res.</i> , 27, (1999) 1970-1977	

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20.	Yu, D., et al. Diethoxy N, N-diisopropylphosphoramidite as an improved capping reagent in the synthesis of oligonucleotides using phosphoramidite chemistry. <i>Tetrahedron Letters</i> 35, (1994) 8565-8568	
21.	LEPROUST, E., et al. Characterization of oligodeoxyribonucleotide synthesis on glass plates. <i>Nucleic Acids Res.</i> , 29, (2001) 2171-2180	
22.	ECKSTEIN, F. (ed.) Oligonucleotides and Analogues, A Practical Approach. IRL Press, Oxford, UK, (1991) 109-135	
23.	FIELDS, G.B. (ed.) Methods in Enzymology. Academic Press, New York, USA, 289, (2001) Academic Press, New York, USA	
24.	SEARS et al. Toward Automated Synthesis of Oligosaccharides and Glycoproteins. <i>Science</i> 291, (2001) 2344-2350, American Association for the Advancement of Science, Washington, D.C. USA	
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26.	ARAKAWA, T. et al. Mechanism of Poly(ethylene glycol) Interaction with Proteins, <i>Biochemistry</i> 24, (1985) 6756-6762, American Chemical Society, Washington, D.C., USA	
27.	ZHU, X-Y., et al. Grafting of High-Density Poly(ethylene glycol) Monolayers on Si(111), <i>Langmuir</i> 17 (2001) 7798-7803, American Chemical Society, Washington, D.C., USA	
28.	KNOLL, E. et al., Unimolecular Beacons for the Detection of DNA-Binding Proteins. <i>Anal. Chem.</i> (2004) 76, 1156-1164, American Chemical Society, Washington, D.C., USA	

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